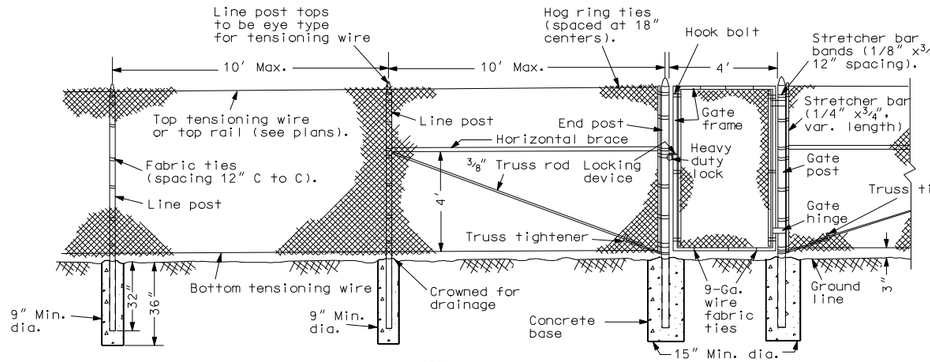
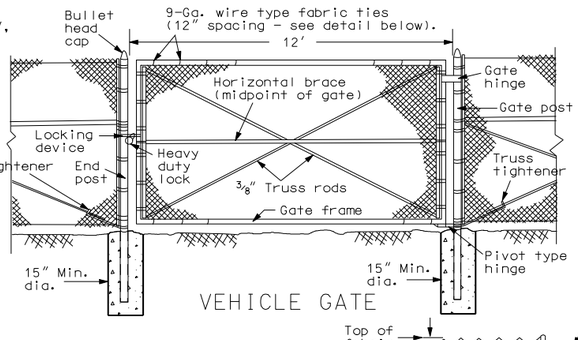
CHAIN LINK FENCE

D-752-2

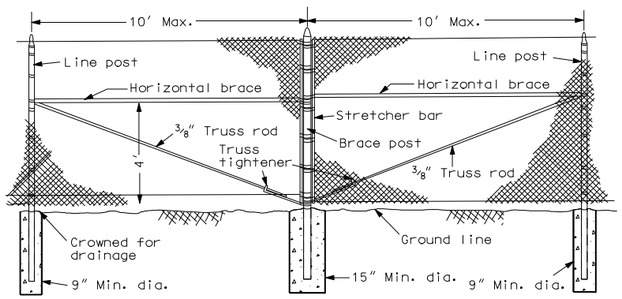


LINE POST

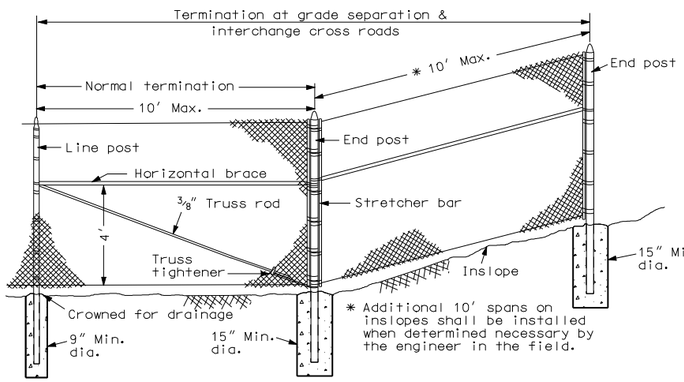
PEDESTRIAN GATE



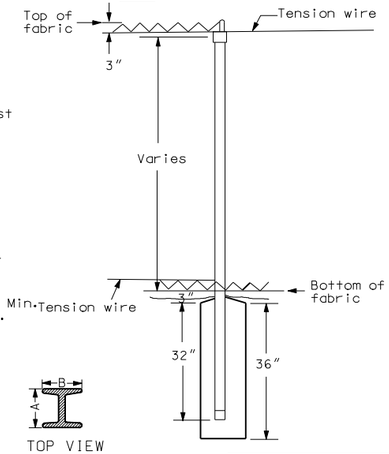
VEHICLE GATE

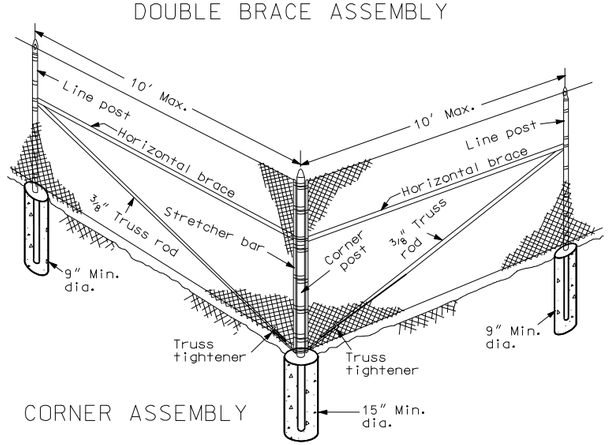


DOUBLE BRACE ASSEMBLY

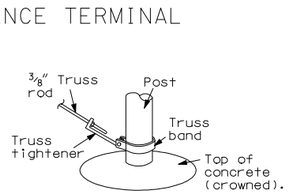


FENCE TERMINAL

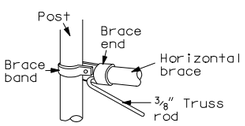




CORNER ASSEMBLY



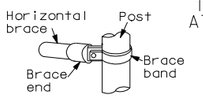
TRUSS ATTACHMENT AT TERMINAL POSTS



BRACE & TRUSS ATTACHMENT

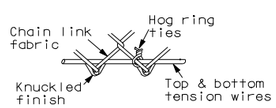
TOP VIEW

"H" COLUMN POST



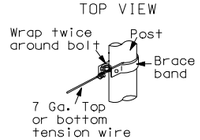
BRACE ATTACHMENT

STRETCHER BAR BAND

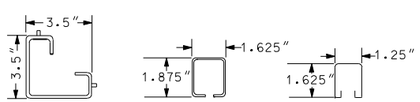


HOG RING FASTENER DETAIL

TOP VIEW



TENSION WIRE ANCHORAGE

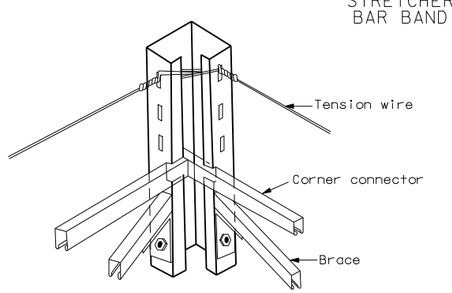


TERMINAL POST

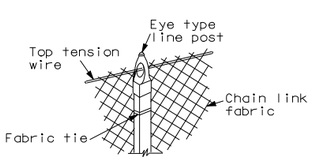
LINE POST

TOP & BRACE RAIL

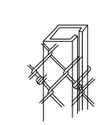
"C" SECTION POST & RAIL



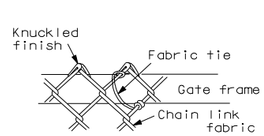
ROLL FORMED POST



LINE POST TOP DETAIL



"C" SECTION POST



WIRE TYPE FABRIC TIE DETAIL

Double brace assemblies shall be installed at locations shown on the plans or established by the engineer. The distance between adjacent fence terminals, corner assemblies, or double brace assemblies shall not exceed 1000 feet.

All miscellaneous fittings shall be of the type and size recommended by the manufacturer of the fence and approved by the engineer.

Height of fabric shall be 6′ unless otherwise shown on the plans.

Concrete for the post bases shall be Class YE in accordance with Sec. 802 of the Standard Specifications. Course aggregate for concrete mix shall be size No. 4 or 5 at the option of the contractor but shall not be changed during the work except by written permission of the engineer.

Chain link fabric shall be 9 gauge wire 2″ mesh. Knuckled finished top and bottom. Wire shall have a minimum tensile strength of 80,000 P.S.I.

Each fence terminal will be counted and paid for as a double brace assembly.

The contractor shall have the option of using any of the types of posts shown in the table of equivalent post sizes and weights for the specified use.

No deduction in measured pay length of chain link fence will be made for gates, corner assemblies, double brace assemblies or fence terminals.

Top and bottom tensioning wires shall be 7 gauge steel wire with a minimum tensile strength of 80,000 P.S.I.

The fabric shall be tied to the tension wire as recommended by the manufacturer.

Private fences shall not be connected to the highway right-of-way fence, but may be abutted next to the right-of-way fence.

Hot-dip zinc-5% aluminum-mischmetal alloy coating conforming to the pertinent requirements of ASTM A 875 may be applied to grade 1 steel posts, rails, or gate frames as an alternative to hot-dipped galvanized coating. The weight of the alloy coating shall be 2.1 ounces per square foot, tested in accordance with ASTM A 90.

Roll-formed sections shall be fabricated from material meeting the requirements of ASTM A 570, Grade 45, and shall be galvanized in accordance with the requirements of ASTM A 123, or coated with zinc-5% aluminum mischmetal alloy in accordance with ASTM F 1234, Type C.

EQUIVALENT POST SIZES AND WEIGHTS

USE OF POST	SECTION	"C" SEC. STEEL		"H" COLUMN STEEL			ROUND STEEL		
		Size	Weight	Size		Weight	Size	Weight - Lbs./Ft.	
		Inch	Lbs./Ft.	A	B	Lbs./Ft.	Out. Dia.	Class 1	Class 2
LINE POST	Fabric 6′ or less	1.875 x 1.625	1.60	2.25″	1.70″	3.43	1.900″	2.72	2.28
	Fabric over 6′	1.875 x 1.625	2.34	2.25″	1.70″	3.43	2.375″	3.65	3.12
END, CORNER	Fabric 6′ or less	3.5 x 3.5	5.10				2.375″	3.65	3.12
	Fabric over 6′	3.5 x 3.5	5.10				2.875″	5.79	4.64
GATE POST	All	3.5 x 3.5	5.10				3.500″		5.71
				"H" COLUMN STEEL POSTS NOT PERMITTED			4.000″	9.11	
EXTERIOR FRAME FOR GATE	Gate width 6′ or less	———	———				1.315″	1.68	1.35
	Gate width over 6′	———	———				1.900″	2.72	2.28
HORIZONTAL BRACE		1.625 x 1.25	1.35				1.660″	2.27	1.84
BRACE POST	Fabric 6′ or less	1.875 x 1.624	2.34				2.375″	3.65	3.12
	Fabric 6′ or less	1.875 x 1.624	2.34				2.875″	5.79	4.64

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION

10-1-86

REVISIONS

DATE	CHANGE
10-15-86	Note
12-11-86	Note
09-04-90	Private fence note
01-22-92	Remove top rail
05-01-92	Note
12-31-92	H posts & notes
07-16-93	Truss rod and tightener
10-31-94	General
03-07-01	Layout revision
12-01-04	PE Stamp added

This document was originally issued and sealed by MARK S GAYDOS, Registration Number PE-4518, on 12/01/04 and the original document is stored at the North Dakota Department of Transportation